VGN-S51B/S61PZ/S71PB/S91PS/S91S
VGN-S240P/S250F/S250FP/S260/S260P/S270/S270B/S270F/S270P
VGN-S2HP/S2HRP/S2VP/S2XP/S2XRP
VGN-S25C/S26C/S26GP/S26LP/S26SP/S26TP/S27C/S28CP/S28GP/S28LP/S28SP/S28TP

SERVICE MANUAL

Ver. 5 2004L

Revision History

Area	Model	Lineup	
Japanese	Japanese	VGN-S51B	1 [MA]
		VGN-S61PZ	
		VGN-S71PB	
		VGN-S91PS*	
		VGN-S91S*	
American	US Canadian	VGN-S240P	
		VGN-S260	
		VGN-S260P	
		VGN-S270*	1 [MA]
		VGN-S270B*	1 [MA]
		VGN-S270P*	1 [MA]
	Latin	VGN-S250F	1 [MA]
		VGN-S250FP	1 [MA]
		VGN-S270F	1 [MA]
European	AEP/UK	VGN-S2HP	1 [MA]
		VGN-S2HRP	4 [MA]
		VGN-S2VP	1 [MA]
		VGN-S2XP	1 [MA]
		VGN-S2XRP	4 [MA]
Asian/Oceania/ South Africa	International	VGN-S26GP	2 [MA]
		VGN-S26LP	3 [MA]
		VGN-S26SP	2 [MA]
		VGN-S26TP	4 [MA]
		VGN-S28GP	2 [MA]
		VGN-S28LP	2 [MA]
		VGN-S28SP	2 [MA]
		VGN-S28TP	3 [MA]
	Chinese	VGN-S25C	3 [MA]
		VGN-S26C	3 [MA]
		VGN-S27C	3 [MA]
		VGN-S28CP	3 [MA]

* : CTO Model

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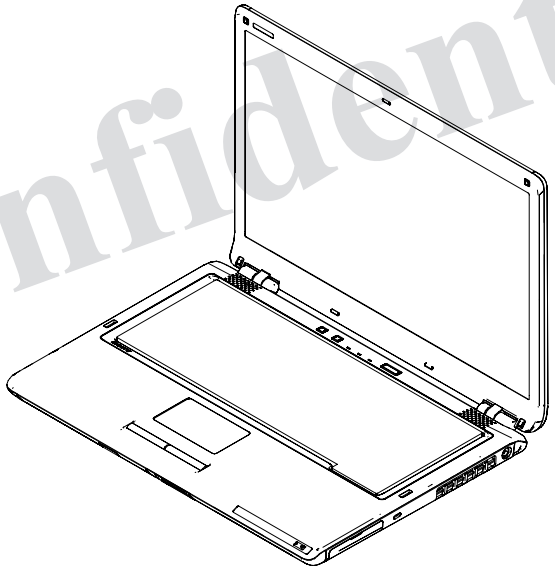

Bluetooth™

Wi Fi CERTIFIED

MEMORY STICK™

i.LINK™ S400

VAIO

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PERSONAL COMPUTER

SONY®

9-876-391-05

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All other names of systems, products and services in this manual are trademarks or registered trademarks of their respective owners. In this manual, the (TM) or (R) mark are not specified.

Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate. Dispose of used battery promptly. Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilati on or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify are as requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the ⚠ mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANSCE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

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VGN-S51B/S61PZ/S71PB/S91PS/S91S (J)
VGN-S240P/S250F/S250FP/S260/S260P/S270/S270B/S270F/S270P (AM)
VGN-S2HP/S2HRP/S2VP/S2XP/S2XRP (EU)
VGN-S25C/S26C/S26GP/S26LP/S26SP/S26TP/S27C/S28CP/S28GP/S28LP/S28SP/S28TP (AO)

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History of the changes is shown as the "Revision History" at the end of this data.

変更履歴は,“Revision History”として,本データ末に記載してあります。

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VGN-S51B/S61PZ/S71PB/S91PS/S91S (J)
VGN-S240P/S250F/S250FP/S260/S260P/S270/S270B/S270F/S270P (AM)
VGN-S2HP/S2HRP/S2VP/S2XP/S2XRP (EU)
VGN-S25C/S26C/S26GP/S26LP/S26SP/S26TP/S27C/S28CP/S28GP/S28LP/S28SP/S28TP (AO)

CHAPTER 1.
SPECIFICATIONS

1-1. Specifications

	J			J-CTO	AM					
	VGN-S71PB	VGN-S51B	VGN-S61PZ	VGN-S91S*, S91PS*	VGN-S260P	VGN-S260	VGN-S240P	VGN-S250FP	VGN-S250F	VGN-S270F
CPU	PM/Do/725/1.60GHz	CelM/Ba/330/1.40GHz	PM/Do/725/1.60GHz	CelM/Ba/330/1.40GHz or PM/Do/725/1.60GHz or PM/Do/755/2GHz	PM/Do/735/1.70GHz	PM/Do/735/1.70GHz	PM/Do/715/1.50GHz	PM/Do/735/1.70GHz	PM/Do/735/1.70GHz	PM/Do/735/1.70GHz
ChipSet	855PM	855PM	855PM	855PM	855PM	855PM	855PM	855PM	855PM	855PM
Graphic	M9+X(32M)	M9+X(32M)	M9+X(32M)	M9+X(32M) or M11-P(64MB)	M9+X(32M)	M9+X(32M)	M9+X(32M)	M9+X(32M)	M9+X(32M)	M9+X(32M)
LCD	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA	13.3WXGA or 13.3WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)
HDD	60GB	40GB	40GB	40GB or 60GB or 80GB	60GB	60GB	40GB	40GB	40GB	40GB
MEMORY (DDR333 uDIMM)	256MBx1	256MBx1	256MBx1	512MBx2 or 512MBx1 or 256MBx1	512MBx1	512MBx1	512MBx1	512MBx1	512MBx1	512MBx1
QUANTITY[MAX]	1GB	1GB	1GB	1GB	1GB	1GB	1GB	1GB	1GB	1GB
OPT-DRIVE	DVD+-RW 9.5/x4	Combo 9.5/x24	Combo 9.5/x24	Combo 9.5/x24 or DVD+-RW 9.5/x4	Combo 9.5/x24	Combo 9.5/x24	Combo 9.5/x24	Combo 9.5/x24	Combo 9.5/x24	DVD+-RW 9.5/x4
int. Wireress LAN	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11a/b/g	802.11b/g	802.11b/g	802.11b/g
AC adaptor	PCGA-AC16V6	PCGA-AC16V6	PCGA-AC16V6	PCGA-AC16V6	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8
Battery	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2 or BPL2	VGP-BPS2	VGP-BPS2	VGP-BPL2	VGP-BPS2	VGP-BPS2	VGP-BPS2
Bluetooth	×	×	×	×	×	×	×	×	×	×
OS	XP Pro	XP Home	XP Pro	XP Home, XP Pro	XP Pro	XP Home	XP Pro	XP Pro	XP Home	XP Home
			⚠1 [MA]					⚠1 [MA]	⚠1 [MA]	⚠1 [MA]

	U-CTO	EU					AO		
	VGN-S270P*, S270B*, S270*	VGN-S2XP	VGN-S2VP	VGN-S2HP	VGN-S2XRP	VGN-S2HRP	VGN-S28GP	VGN-S28SP	VGN-S28LP
CPU	PM-Do 2.0GHz or PM-Do 1.80GHz or PM-Do 1.70Ghz or PM-Do 1.6GHz or PM-Do 1.5GHz or CelM-Ba 1.40GHz	PM/Do/745/1.80GHz	PM/Do/755/2GHz	PM/Do/725/1.60GHz	PM/Do/745/1.80GHz	PM/Do/725/1.60GHz	PM/Do/725/1.60GHz	PM/Do/725/1.60GHz	PM/Do/725/1.60GHz
ChipSet	855PM	855PM	855PM	855PM	855PM	855PM	855PM	855PM	855PM
Graphic	M11-P or M9+X	M11-P	M11-P	M9+X(32)	M11-P	M9+X(32)	M11-P	M11-P	M11-P
LCD	13.3WXGA or 13.3WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)
HDD	40GB or 60GB or 80GB(4200rpm) or 80GB(5400rpm) or 100GB	80GB	80GB	40GB	80GB	40GB	60GB	60GB	60GB
MEMORY (DDR333 uDIMM)	512MBx2 or 512MBx1 or 256MBx2 or 256MBx1	512MBx1	512MBx2	512MBx1	512MBx1	512MBx1	512MBx1	512MBx1	512MBx1
QUANTITY[MAX]	1GB	1GB	1GB	1GB	1GB	1GB	1GB	1GB	1GB
OPT-DRIVE	Combo 9.5/x24 or DVD+-RW 9.5/x4	DVD+-RW 9.5/x4	DVD+-RW 9.5/x4	DVD+-RW 9.5/x4	DVD+-RW 9.5/x4	DVD+-RW 9.5/x4	DVD+-RW 9.5/x4	DVD+-RW 9.5/x4	DVD+-RW 9.5/x4
int. Wireress LAN	802.11b/g or None	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g
AC adaptor	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8
Battery	VGP-BPS2 or BPL2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2
Bluetooth	○ or ×	○	○	○	×	×	×	×	×
OS	XP Pro, XP Pro(SMB), XP Home	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro
	⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠1 [MA]	⚠4 [MA]	⚠4 [MA]	⚠2 [MA]	⚠2 [MA]	⚠2 [MA]

・The trademarks of registered trademarks of above table, refer to page 2.
・The model that is accompanied by asterisk (*) is the CTO model.
・本表中の商標・登録商標については，2ページをご参照ください。
・機種名に（*）がつくものはCTOモデルです。
組み合わせについてはCTO Informationをご確認ください。

	AO								
	VGN-S28TP	VGN-S26GP	VGN-S26SP	VGN-S26LP	VGN-S26TP	VGN-S28CP	VGN-S27C	VGN-S26C	VGN-S25C
CPU	PM/Do/725/1.60GHz	PM/Do/715/1.50GHz	PM/Do/715/1.50GHz	PM/Do/715/1.50GHz	PM/Do/715/1.50GHz	PM/Do/725/1.60GHz	PM/Do/725/1.60GHz	PM/Do/715/1.50GHz	CelM/Ba/330/1.40GHz
ChipSet	855PM	855PM	855PM	855PM	855PM	855PM	855PM	855PM	855PM
Graphic	M11-P	M9+X(32)	M9+X(32)	M9+X(32)	M9+X(32)	M11-P	M9+X(32)	M11-P	M11-P
LCD	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)	13.3 WXGA(Brighter)
HDD	60GB	40GB	40GB	40GB	40GB	60GB	40GB	40GB	40GB
MEMORY (DDR333 uDIMM)	512MBx1	256MBx1	256MBx1	256MBx1	256MBx1	512MBx1	256MBx1	256MBx1	256MBx1
QUANTITY[MAX]	1GB	1GB	1GB	1GB	1GB	1GB	1GB	1GB	1GB
OPT-DRIVE	DVD+-RW 9.5/x4	Combo 9.5/x24	Combo 9.5/x24	Combo 9.5/x24	Combo 9.5/x24	DVD+-RW 9.5/x4	Combo 9.5/x24	Combo 9.5/x24	Combo 9.5/x24
int. Wireress LAN	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g
AC adaptor	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8	VGP-AC16V8
Battery	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2	VGP-BPS2
Bluetooth	×	×	×	×	×	×	×	×	×
OS	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Home	XP Home	XP Home
	3 [MA]	2 [MA]	2 [MA]	3 [MA]	4 [MA]	3 [MA]	3 [MA]	3 [MA]	3 [MA]

・The trademarks of registered trademarks of above table, refer to page 2.
・The model that is accompanied by asterisk (*) is the CTO model.
・本表中の商標・登録商標については，2ページをご参照ください。
・機種名に（*）がつくものはCTOモデルです。
組み合わせについてはCTO Informationをご確認ください。

1-2. CTO Information

Model name:VGN-S91S
Model number:PCG-6D1N
OS:WinXP Home
Ver.1.0

CPU	**PM/Do/755/2GHz** 6-706-559-01 IC RH80536GC0412MSL7EM	**PM/Do/725/1.60GHz** 6-600-355-01 IC RH80536GC0252MSL7EG	**CeIM/Ba/330/1.40GHz** 6-706-572-01 IC RH80535NC017512SL6N6
HDD	**80GB/2.5/4200** A-1068-137-A ASSY HDD 80GB (-21) (I,40) (S)	**60GB/2.5/4200** A-1065-272-A HDD (MK6025GAS-60GB) (S)	**40GB/2.5/4200** A-1086-982-A HDD (40GB,HTS424040M9AT00) (S)
LCD	**13.3/WXGA/BR** A-1072-481-A LCD UNIT(13.3 WXGA) (S)	**13.3/WXGA** A-1072-480-A LCD UNIT(13.3 WXGA) NML (S)	
Memory	**1GB(512MB/DDR/333/uDIMMx2)** A-1072-478-Ax2 COMPLETE PWB MM-9S (S)	**512MB(512MB/DDR/333/uDIMMx1)** A-1072-478-A COMPLETE PWB MM-9S (S)	**256MB(256MB/DDR/333/uDIMMx1)** A-1072-479-A COMPLETE PWB MM-11A (S)
Opt.Drive	**Combo/9.5/x24** 1-796-822-21 COMBO DRIVE (UJDA755,9.5MM)	**DVD+-RW/9.5/x4** 1-797-057-11 DVD+-RW(UJ-822,9.5MM)	
W-LAN	**802.11b/g(Intel)** 1-761-864-23 WIRELESS LAN CARD		
Battery	**L** A-1072-508-A BATTERY PACK BPL2 (J) (S)	**Standard** A-1072-505-A BATTERY PACK BPS2 (J) (S)	
Office	**2003 Professional**	**2003 Personal**	**None**
Other1	**English Key Board** 1-478-713-22 KEYBOARD UNIT (US)	**Japanese Key Board** 1-478-713-12 KEYBOARD UNIT (JP)	

Model name:VGN-S91PS
Model number:PCG-6D1N
OS:WinXP Pro
Ver.1.0

CPU	**PM/Do/755/2GHz** 6-706-559-01 IC RH80536GC0412MSL7EM	**PM/Do/725/1.60GHz** 6-600-355-01 IC RH80536GC0252MSL7EG	**CeIM/Ba/330/1.40GHz** 6-706-572-01 IC RH80535NC017512SL6N6
HDD	**80GB/2.5/4200** A-1068-137-A ASSY HDD 80GB (-21) (I,40) (S)	**60GB/2.5/4200** A-1065-272-A HDD (MK6025GAS-60GB) (S)	**40GB/2.5/4200** A-1086-982-A HDD (40GB,HTS424040M9AT00) (S)
LCD	**13.3/WXGA/BR** A-1072-481-A LCD UNIT(13.3 WXGA) (S)	**13.3/WXGA** A-1072-480-A LCD UNIT(13.3 WXGA) NML (S)	
Memory	**1GB(512MB/DDR/333/uDIMMx2)** A-1072-478-Ax2 COMPLETE PWB MM-9S (S)	**512MB(512MB/DDR/333/uDIMMx1)** A-1072-478-A COMPLETE PWB MM-9S (S)	**256MB(256MB/DDR/333/uDIMMx1)** A-1072-479-A COMPLETE PWB MM-11A (S)
Opt.Drive	**Combo/9.5/x24** 1-796-822-21 COMBO DRIVE (UJDA755,9.5MM)	**DVD+-RW/9.5/x4** 1-797-057-11 DVD+-RW(UJ-822,9.5MM)	
W-LAN	**802.11b/g(Intel)** 1-761-864-23 WIRELESS LAN CARD		
Battery	**L** A-1072-508-A BATTERY PACK BPL2 (J) (S)	**Standard** A-1072-505-A BATTERY PACK BPS2 (J) (S)	
Office	**2003 Professional**	**2003 Personal**	**None**
Other1	**English Key Board** 1-478-713-22 KEYBOARD UNIT (US)	**Japanese Key Board** 1-478-713-12 KEYBOARD UNIT (JP)	

Model name:VGN-S270B (For American Area)
Model number:PCG-6D1L,6D2L,6D3L
OS:WinXP Pro(SMB)
Ver.1.0

CPU	**PM-Do 755 w/2GHz** 6-706-559-01 IC RH80536GC0412MSL7EM	**PM-Do 745 w/1.8GHz** 6-600-306-01 IC RH80536GC0332MSL7EN	**PM-Do 735 w/1.7AGHz** 6-600-343-01 IC RH80536GC0292MSL7EP	**PM-Do 725 w/1.6AGHz** 6-600-355-01 IC RH80536GC0252MSL7EG	**PM-Do 715 w/1.5AGHz** 6-600-368-01 IC RH80536GC0212MSL7GL	**CelM-Ba 330 w/1.4GHz** 6-706-572-01 IC RH80535NC017512SL6N6
HDD	**100GB (4200rpm)** A-1083-188-A HDD (MHU2100AT-100GB) (S)	**80GB (5400rpm)** A-1062-140-A HDD_(80GB,HTS548080M9AT00)_(S)	**80GB (4200rpm)** A-1068-137-A ASSY HDD 80GB (-21) (I,40) (S)	**60GB (4200rpm)** A-1065-272-A HDD (MK6025GAS-60GB) (S)	**40GB (4200rpm)** A-1086-982-A HDD (40GB,HTS424040M9AT00) (S)	
LCD	**13.3" WXGA (Brighter)** A-1072-481-A LCD UNIT(13.3 WXGA) (S)	**13.3" WXGA** A-1072-480-A LCD UNIT(13.3 WXGA) NML (S)				
Memory	**DDR333 512MB x2** A-1072-478-Ax2 COMPLETE PWB MM-9S (S)	**DDR333 512MB x1** A-1072-478-A COMPLETE PWB MM-9S (S)	**DDR333 256MB x2** A-1072-479-Ax2 COMPLETE PWB MM-11A (S)	**DDR333 256MB x1** A-1072-479-A COMPLETE PWB MM-11A (S)		
Opt.Drive	**Combo[24x](9.5mm)** 1-796-822-21 COMBO DRIVE (UJDA755,9.5MM)	**DVD±RW[2X] (9.5mm)** 1-797-057-11 DVD+-RW(UJ-822,9.5MM)				
Battery	**L** A-1072-509-A BATTERY PACK BPL2 (U) (S)	**Standard** A-1072-506-A BATTERY PACK BPS2 (U) (S)				
WLAN	**b/g (Intel)** 1-761-864-14 WIRELESS LAN CARD	**None**				
Bluetooth	**Available** 1-805-554-11 BLUETOOTH MODULE	**None**				

Model name:VGN-S270P (For American Area)
Model number:PCG-6D1L,6D2L,6D3L
OS:WinXP Pro
Ver.1.0

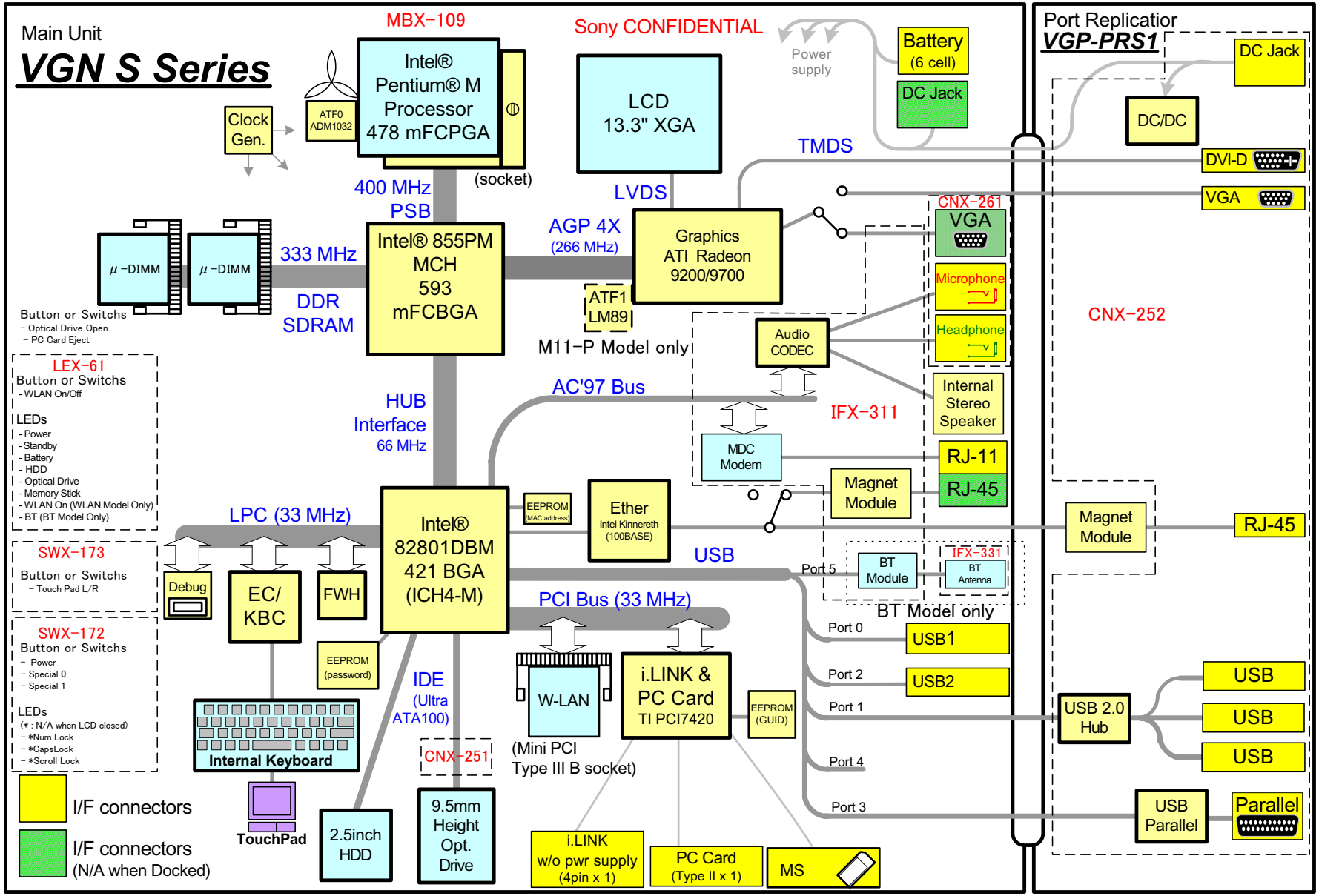
CPU	**PM-Do 755 w/2GHz** 6-706-559-01 IC RH80536GC0412MSL7EM	**PM-Do 745 w/1.8GHz** 6-600-306-01 IC RH80536GC0332MSL7EN	**PM-Do 735 w/1.7AGHz** 6-600-343-01 IC RH80536GC0292MSL7EP	**PM-Do 725 w/1.6AGHz** 6-600-355-01 IC RH80536GC0252MSL7EG	**PM-Do 715 w/1.5AGHz** 6-600-368-01 IC RH80536GC0212MSL7GL	**CelM-Ba 330 w/1.4GHz** 6-706-572-01 IC RH80535NC017512SL6N6
HDD	**100GB (4200rpm)** A-1083-188-A HDD (MHU2100AT-100GB) (S)	**80GB (5400rpm)** A-1062-140-A HDD_(80GB,HTS548080M9AT00)_(S)	**80GB (4200rpm)** A-1068-137-A ASSY HDD 80GB (-21) (I,40) (S)	**60GB (4200rpm)** A-1065-272-A HDD (MK6025GAS-60GB) (S)	**40GB (4200rpm)** A-1086-982-A HDD (40GB,HTS424040M9AT00) (S)	
LCD	**13.3" WXGA (Brighter)** A-1072-481-A LCD UNIT(13.3 WXGA) (S)	**13.3" WXGA** A-1072-480-A LCD UNIT(13.3 WXGA) NML (S)				
Memory	**DDR333 512MB x2** A-1072-478-Ax2 COMPLETE PWB MM-9S (S)	**DDR333 512MB x1** A-1072-478-A COMPLETE PWB MM-9S (S)	**DDR333 256MB x2** A-1072-479-Ax2 COMPLETE PWB MM-11A (S)	**DDR333 256MB x1** A-1072-479-A COMPLETE PWB MM-11A (S)		
Opt.Drive	**Combo[24x](9.5mm)** 1-796-822-21 COMBO DRIVE (UJDA755,9.5MM)	**DVD±RW[2X] (9.5mm)** 1-797-057-11 DVD+-RW(UJ-822,9.5MM)				
Battery	**L** A-1072-509-A BATTERY PACK BPL2 (U) (S)	**Standard** A-1072-506-A BATTERY PACK BPS2 (U) (S)				
WLAN	**b/g (Intel)** 1-761-864-14 WIRELESS LAN CARD	**None**				
Bluetooth	**Available** 1-805-554-11 BLUETOOTH MODULE	**None**				

Model name:VGN-S270 (For American Area)
Model number:PCG-6D1L,6D2L,6D3L
OS:WinXP Home
Ver.1.0

CPU	**PM-Do 755 w/2GHz** 6-706-559-01 IC RH80536GC0412MSL7EM	**PM-Do 745 w/1.8GHz** 6-600-306-01 IC RH80536GC0332MSL7EN	**PM-Do 735 w/1.7AGHz** 6-600-343-01 IC RH80536GC0292MSL7EP	**PM-Do 725 w/1.6AGHz** 6-600-355-01 IC RH80536GC0252MSL7EG	**PM-Do 715 w/1.5AGHz** 6-600-368-01 IC RH80536GC0212MSL7GL	**CelM-Ba 330 w/1.4GHz** 6-706-572-01 IC RH80535NC017512SL6N6
HDD	**100GB (4200rpm)** A-1083-188-A HDD (MHU2100AT-100GB) (S)	**80GB (5400rpm)** A-1062-140-A HDD_(80GB,HTS548080M9AT00)_(S)	**80GB (4200rpm)** A-1068-137-A ASSY HDD 80GB (-21) (I,40) (S)	**60GB (4200rpm)** A-1065-272-A HDD (MK6025GAS-60GB) (S)	**40GB (4200rpm)** A-1086-982-A HDD (40GB,HTS424040M9AT00) (S)	
LCD	**13.3" WXGA (Brighter)** A-1072-481-A LCD UNIT(13.3 WXGA) (S)	**13.3" WXGA** A-1072-480-A LCD UNIT(13.3 WXGA) NML (S)				
Memory	**DDR333 512MB x2** A-1072-478-Ax2 COMPLETE PWB MM-9S (S)	**DDR333 512MB x1** A-1072-478-A COMPLETE PWB MM-9S (S)	**DDR333 256MB x2** A-1072-479-Ax2 COMPLETE PWB MM-11A (S)	**DDR333 256MB x1** A-1072-479-A COMPLETE PWB MM-11A (S)		
Opt.Drive	**Combo[24x](9.5mm)** 1-796-822-21 COMBO DRIVE (UJDA755,9.5MM)	**DVD±RW[2X] (9.5mm)** 1-797-057-11 DVD+-RW(UJ-822,9.5MM)				
Battery	**L** A-1072-509-A BATTERY PACK BPL2 (U) (S)	**Standard** A-1072-506-A BATTERY PACK BPS2 (U) (S)				
WLAN	**b/g (Intel)** 1-761-864-14 WIRELESS LAN CARD	**None**				
Bluetooth	**Available** 1-805-554-11 BLUETOOTH MODULE	**None**				

CHAPTER 2.

BLOCK DIAGRAM

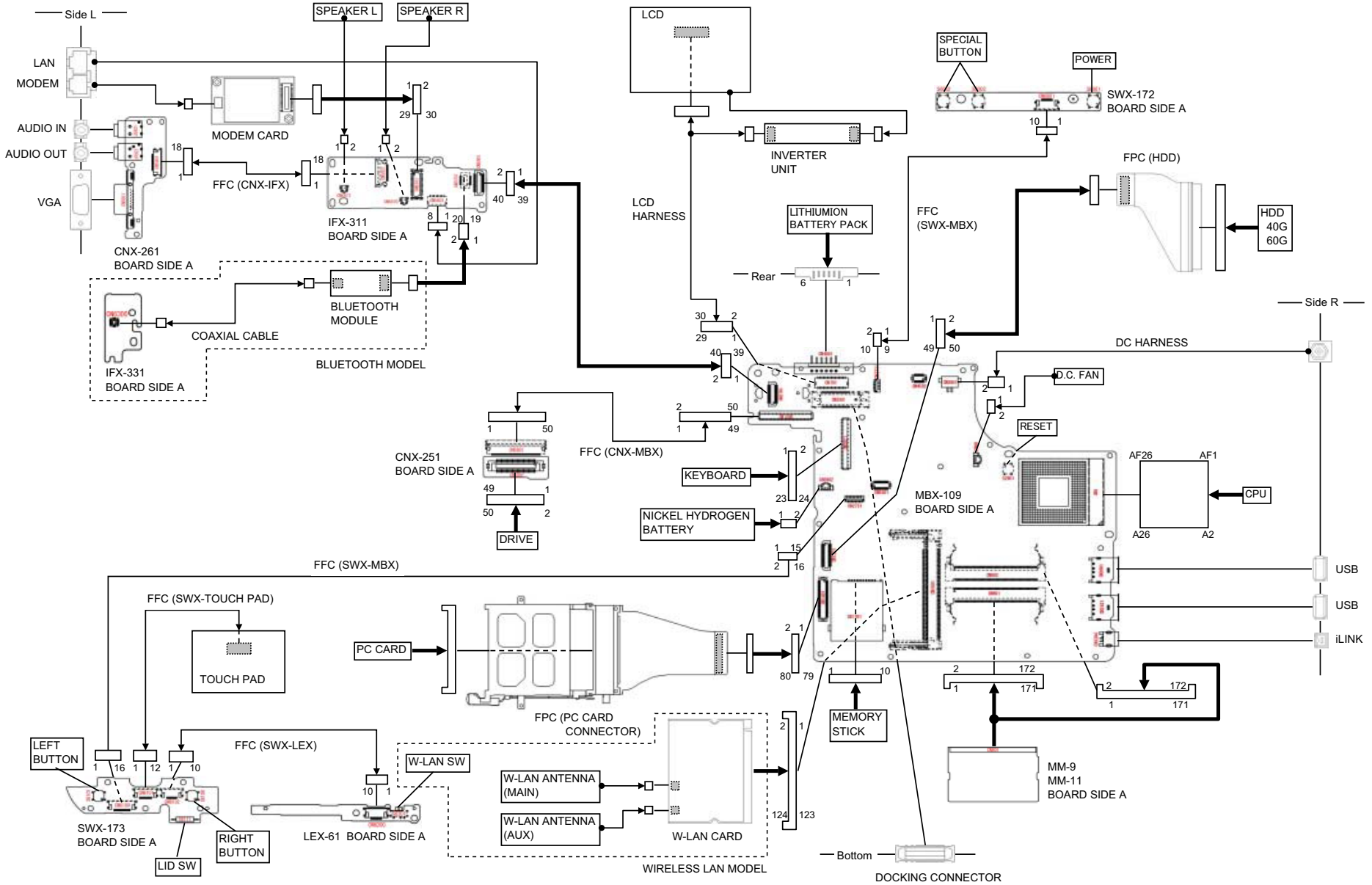


Confidential

VGN-S51B/S61PZ/S71PB/S91PS/S91S (J)
VGN-S240P/S250F/S250FP/S260/S260P/S270/S270B/S270F/S270P (AM)
VGN-S2HP/S2HRP/S2VP/S2XP/S2XRP (EU)
VGN-S25C/S26C/S26GP/S26LP/S26SP/S26TP/S27C/S28CP/S28GP/S28LP/S28SP/S28TP (AO)

CHAPTER 3.

FRAME HARNESS DIAGRAM



Confidential

VGN-S51B/S61PZ/S71PB/S91PS/S91S (J)
VGN-S240P/S250F/S250FP/S260/S260P/S270/S270B/S270F/S270P (AM)
VGN-S2HP/S2HRP/S2VP/S2XP/S2XRP (EU)
VGN-S25C/S26C/S26GP/S26LP/S26SP/S26TP/S27C/S28CP/S28GP/S28LP/S28SP/S28TP (AO)

CHAPTER 4.

EXPLODED VIEWS AND PARTS LIST

- The parts list is compiled by blocks of a palmrest and bottom etc. The sections of the parts list are different depending on the model. Please refer to list of contents shown in the below.

- 分解図と部品表は，パームレスト，ボトムなどのブロックごとに分かれています。機種によって部品表のセクションが異なりますので，詳細は右下の一覧表を参照してください。

Section — Page

Palmrest

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Main Board

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Bottom

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LCD

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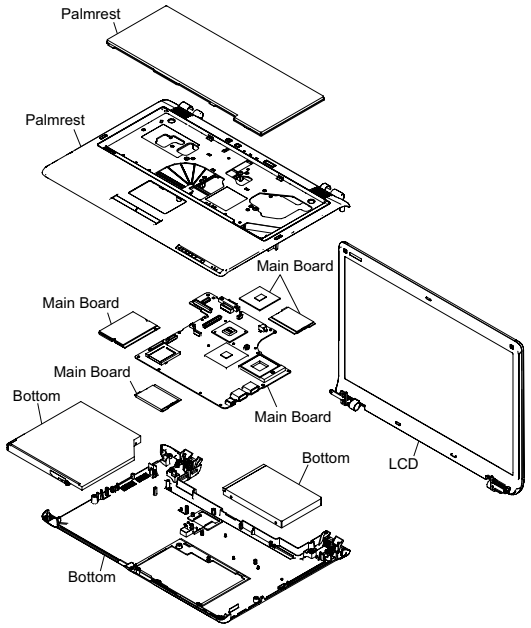
L-2. 13.3-inch WXGA 4-10

Accessory

A-1 4-12



			Palmrest	Main Board	Bottom	LCD	Accessory
	J	S71PB	P-1	M-1	B-1	L-1	A-1
		S51B	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		S61PZ	P-1	M-1	B-1	L-2	A-1
		S91PS*	P-1	M-1	B-1	L-1, 2	A-1
		S91S*	P-1	M-1	B-1	L-1, 2	A-1
	AM	S260P	P-1	M-1	B-1	L-1	A-1
		S260	P-1	M-1	B-1	L-1	A-1
		S240P	P-1	M-1	B-1	L-2	A-1
⚠1 [MA]		S250FP	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		S250F	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		S270F	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		S270P*	P-1	M-1	B-1	L-1, 2	A-1
⚠1 [MA]		S270B*	P-1	M-1	B-1	L-1, 2	A-1
⚠1 [MA]		S270*	P-1	M-1	B-1	L-1, 2	A-1
⚠1 [MA]	EU	S2XP	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		S2VP	P-1	M-1	B-1	L-1	A-1
⚠1 [MA]		S2HP	P-1	M-1	B-1	L-1	A-1
⚠4 [MA]		S2XRP	P-1	M-1	B-1	L-1	A-1
⚠4 [MA]		S2HRP	P-1	M-1	B-1	L-1	A-1
⚠2 [MA]	AO	S28GP	P-1	M-1	B-1	L-1	A-1
⚠2 [MA]		S28SP	P-1	M-1	B-1	L-1	A-1
⚠2 [MA]		S28LP	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		S28TP	P-1	M-1	B-1	L-1	A-1
⚠2 [MA]		S26GP	P-1	M-1	B-1	L-1	A-1
⚠2 [MA]		S26SP	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		S26LP	P-1	M-1	B-1	L-1	A-1
⚠4 [MA]		S26TP	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		S28CP	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		S27C	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		S26C	P-1	M-1	B-1	L-1	A-1
⚠3 [MA]		S25C	P-1	M-1	B-1	L-1	A-1

* : CTO model

NOTE:

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- When two or more parts are shown, use the part described first as the main part.
- The parts marked " $ " are the High Value Modules (HVM).
- The parts marked " # " are the parts on which barcode label is attached. For the barcode label, refer to CHAPTER 5.
- The parts marked "&" are the "Customer Replacable Parts (CRP)" that can be replaced by Field Customer Support. Especially the parts with the <&> mark require the special attention to use them. Here fore, check first whether the desired part is one of the targetted parts of the Customer Replaceable Parts (CRP), or the non-targetted parts by referring to the exploded view.

【使用上の注意】

- *印の部品は常備在庫しておりません。
- 図面番号のない部品は供給しません。
- 併記部品の場合，上部記載部品をメイン部品として使用してください。
- 部品名称の前に$印のついた部品は，High Value Module（HVM）です。
- 商品名称の前に#印のついた部品は，バーコードラベル貼付部品です。
  バーコードラベルについてはCHAPTER 5を参照してください。
- 部品名称の前に&印のついた部品は，お客様窓口などでも交換可能なCustomer Replacable Part（CRP）です。
  特に<&>のついた部品は，使い分けが必要な部品ですので，分解図でCustomer Replacable Parts対象部品か，対象外部品かを必ず御確認ください。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

⚠印の部品，または⚠印付きの点線で囲まれた部品は，安全性を維持するために重要な部品です。従って交換時は，必ず指定の部品を使用して下さい。

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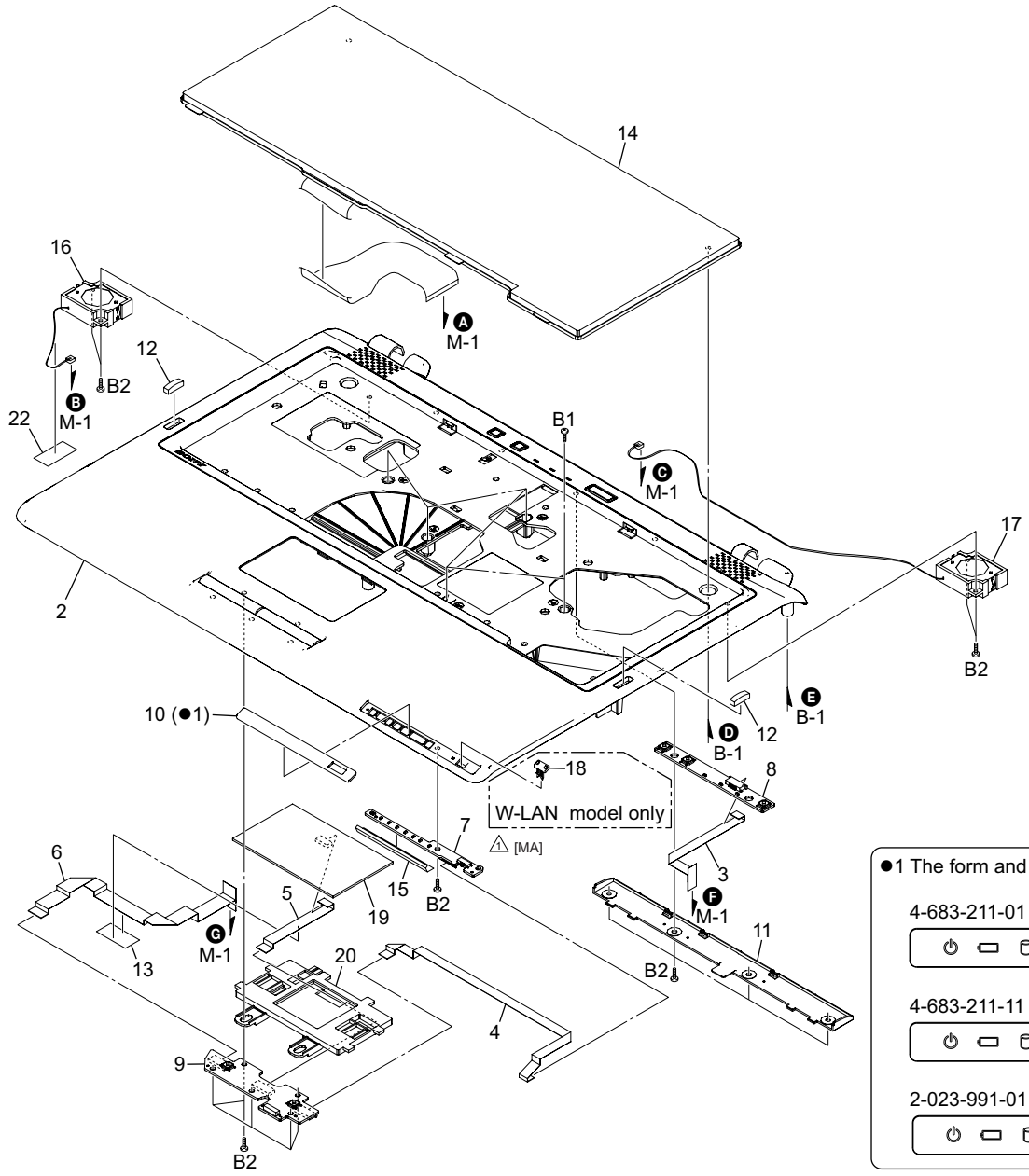
VGN-S51B/S61PZ/S71PB/S91PS/S91S (J)
VGN-S240P/S250F/S250FP/S260/S260P/S270/S270B/S270F/S270P (AM)
VGN-S2HP/S2HRP/S2VP/S2XP/S2XRP (EU)
VGN-S25C/S26C/S26GP/S26LP/S26SP/S26TP/S27C/S28CP/S28GP/S28LP/S28SP/S28TP (AO)

P-1. Palmrest



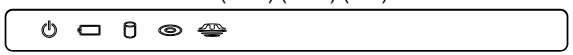
⚠ [MA]

●1 The form and the printing of LED cover differs for every part number.

4-683-211-01 COVER LED

4-683-211-11 COVER LED

2-023-991-01 COVER (LED) (W/O) (WL)



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P-1. Palmrest

Ref.No.	Part No.		Description
2	X-4626-772-3		ASSY PALMREST
3	1-829-196-11		CABLE, FLEXIBLE FLAT (10PIN)
4	1-829-198-11		CABLE, FLEXIBLE FLAT (10PIN)
5	1-829-195-11		CABLE, FLEXIBLE FLAT (12PIN)
6	1-829-197-11		CABLE, FLEXIBLE FLAT (16PIN)
7	A-1086-979-A	$	COMPLETE PWB LEX-61 (S)
8	A-1086-980-A	$	COMPLETE PWB SWX-172 (S)
9	A-1086-981-A	$	COMPLETE PWB SWX-173 (S)
11	4-683-212-01		COVER PALM
12	4-654-440-22		CUSHION (PALM)
13	4-662-881-02		CUSHION, KEY BOARD
15	2-148-163-02		SHEET LED OTHER
16	1-825-846-11		SPEAKER WITH BOX (L)
17	1-825-846-21		SPEAKER WITH BOX (R)
19	1-796-958-11		TOUCH PAD
20	X-4626-773-2		ASSY HOLDER TP
22	4-672-493-01		COVER (SC)
B1	4-672-834-71		SCREW, +B EG GRIP
B2	4-676-936-01		+SCREW,O2 +SPECIAL HEAD SELF S

	Ref.No.	Part No.		Description	J					AM								EU					AO											
					S71PB	S51B	S61PZ	S91PS*	S91S*	S260P	S260	S240P	S250FP	S250F	S270F	S270P*	S270B*	S270*	S2XP	S2VP	S2HP	S2XRP	S2HRP	S26GP	S28SP	S28LP	S28TP	S26GP	S26SP	S26LP	S26TP	S28CP	S27C	S26C	S25C
⚠ [MA]	10	4-683-211-01		COVER LED																													
		4-683-211-11		COVER LED	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
⚠ [MA]		2-023-991-01		COVER (LED) (W/O) (WL)												●	●	●																
	14	1-478-713-12	#	KEYBOARD UNIT (JP)	●	●	●	●	●																									
		1-478-713-22	#	KEYBOARD UNIT (US)				●	●	●	●	●				●	●	●						●				●			●	●	●	●
⚠ [MA]		1-478-716-72	#	KEYBOARD UNIT (LA)										●	●	●																		
⚠ [MA]		1-478-716-12	#	(UK/Dutch)...KEYBOARD UNIT (GB)															●	●	●													
⚠ [MA]		1-478-716-22	#	(German)...KEYBOARD UNIT (DE)															●	●	●													
⚠ [MA]		1-478-716-42	#	(French/Belgium)...KEYBOARD UNIT (FR)															●	●	●													
⚠ [MA]		1-478-716-52	#	(Italian)...KEYBOARD UNIT (IT)															●	●	●													
⚠ [MA]		1-478-716-62	#	(Spanish)...KEYBOARD UNIT (ES)															●	●	●													
⚠ [MA]		1-478-716-82	#	(Swedish)...KEYBOARD UNIT (SE)															●															
⚠ [MA]		1-478-716-92	#	(Portugal)...KEYBOARD UNIT (PT)															●															
⚠ [MA]		1-478-713-61	#	(Russia)...KEYBOARD UNIT (RU)																		●	●											
⚠ [MA]		1-478-713-32	#	KEYBOARD UNIT (KR)																						●			●					
⚠ [MA]		1-478-713-42	#	KEYBOARD UNIT (TH)																					●			●						
⚠ [MA]		1-478-713-52	#	KEYBOARD UNIT (TW)																						●			●					
	18	4-683-214-02		SWITCH WL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
							⚠ [MA]						⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]

- This parts list contains two different types of parts.
  The first type is the parts that are common to all models.
  The other type is the parts that are different depending on each model.

- この部品表は，機種共通の部品と，機種によって使い分けが必要な部品に分かれています。

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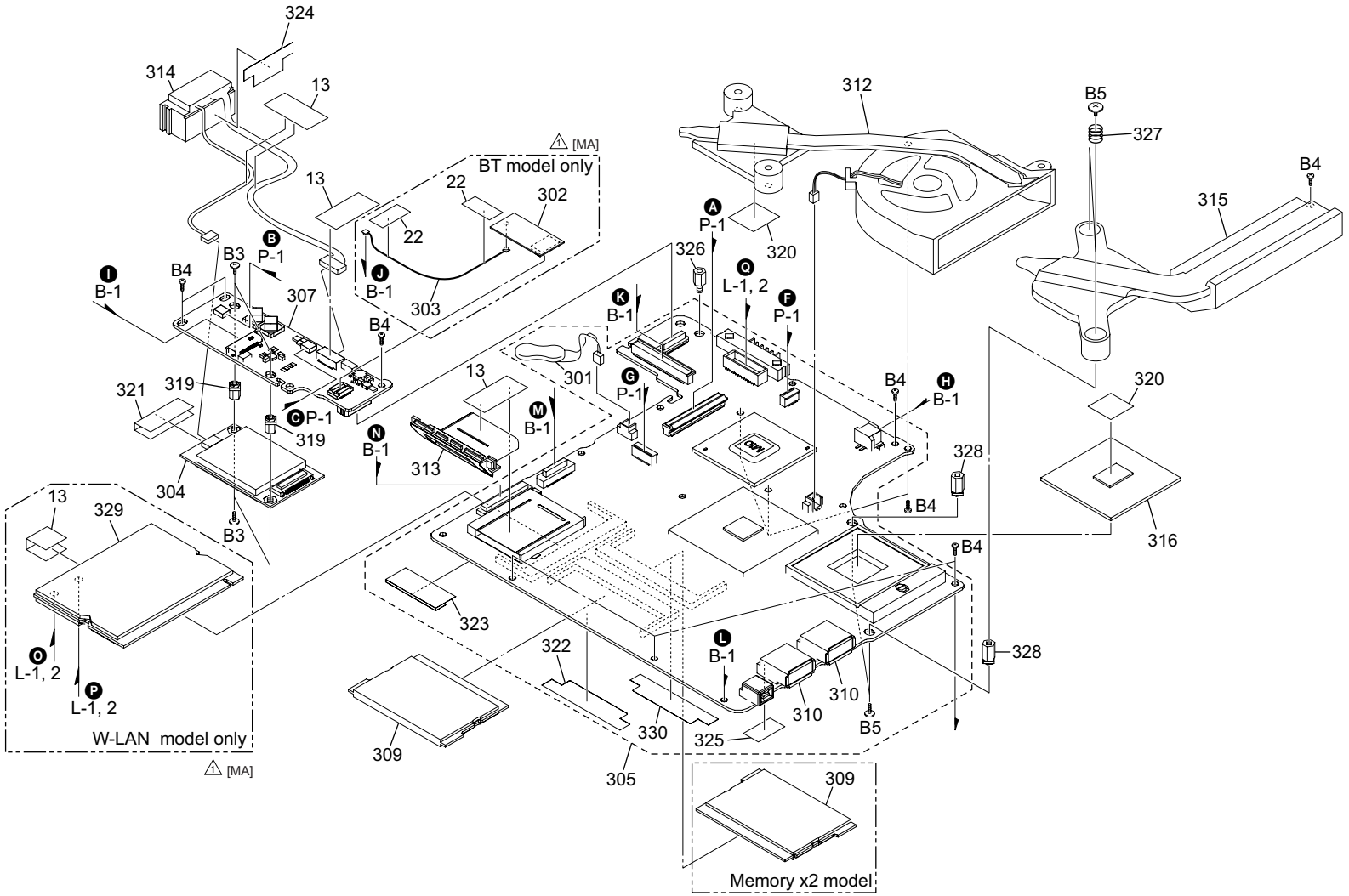
M-1.Main Board

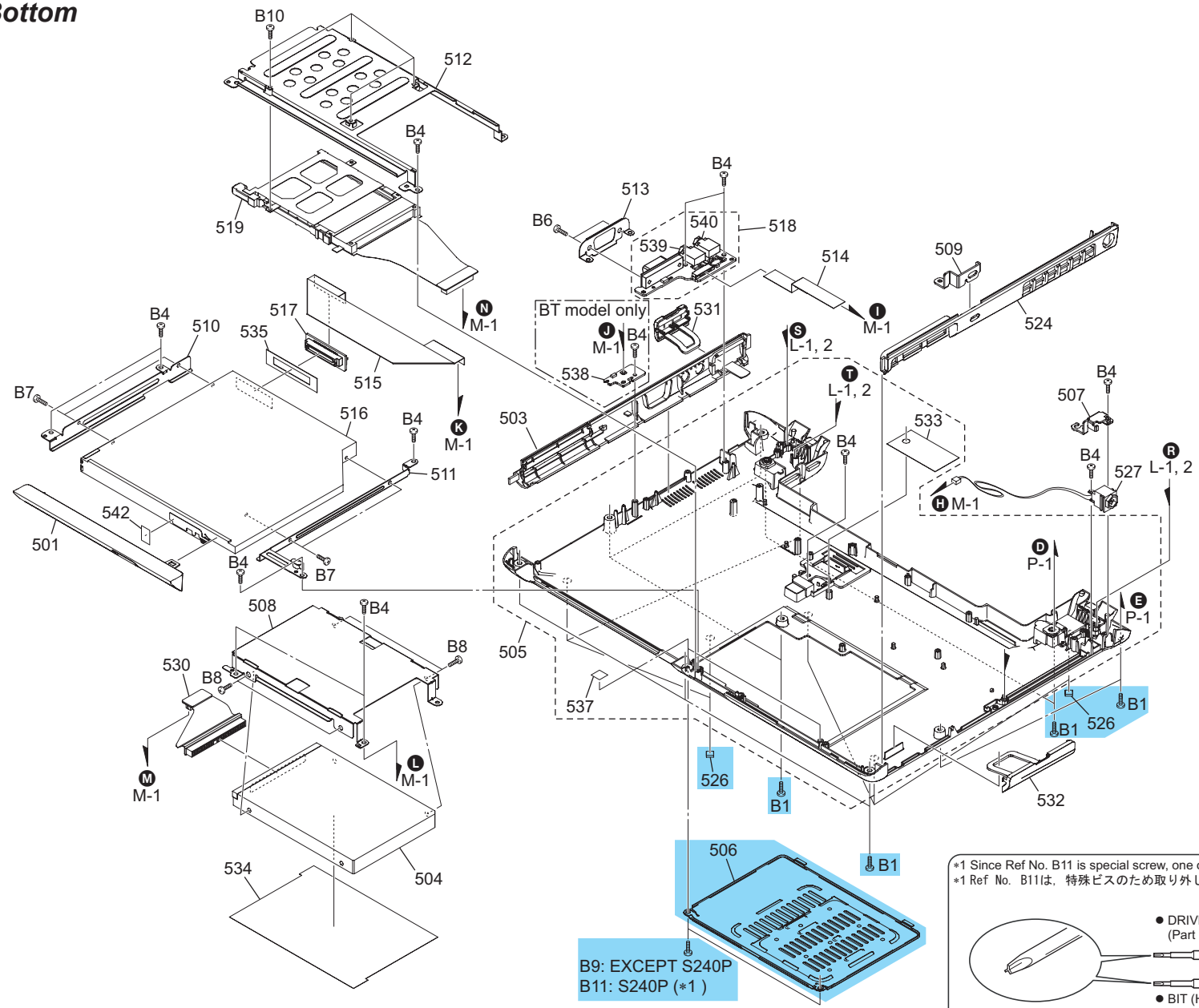


M-1.Main Board

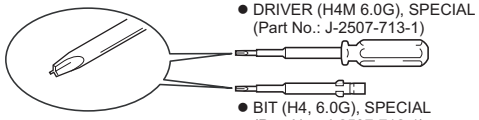
Ref.No.	Part No.			Description
13	4-662-881-02			CUSHION, KEY BOARD
22	4-672-493-01			COVER (SC)
301	1-756-038-21			BATTERY, NICKEL HYDROGEN
304	1-761-606-14		#	CARD, MODEM
307	A-1086-977-A	$		COMPLETE PWB IFX-311 (S)
310	1-794-548-21			CONNECTOR, USB(A)
312	1-787-166-12			D.C. FAN
313	4-683-176-01			ESCUTCHEON MS
314	1-962-758-11			HARNESS, RJ-45/11
315	4-683-233-01			HEATSINK UNIT
319	4-655-326-01			OFF, STAND
320	2-023-990-01			SHEET (THERMAL)
321	2-059-468-01			SHEET MDC
322	4-677-165-01			SHEET MEMORY
323	2-109-082-01			SHEET MS
324	2-109-080-01			SHEET RJ-CON
325	2-059-469-01			SHEET USB
326	4-651-989-51			SPACER (MBX)
327	2-102-944-01			SPRING HEATSINK
328	2-050-130-01			STAND (OFF)
330	2-148-340-01			CAUTION (LABEL) (MEMORY)
B3	4-672-836-01			SCREW, M2 SPECIAL HEAD,EG GRIP
B4	4-672-834-51			SCREW, +B EG GRIP
B5	2-050-159-01			M2 SPECIAL HEAD D7,T1

| | Ref.No. | Part No. | | | Description | J | | | | | AM | | | | | | | | | EU | | | | | AO | | | | | | | | |

B-1. Bottom



*1 Since Ref No. B11 is special screw, one of the following special tools is needed for removal.
*1 Ref No. B11は，特殊ビスのため取り外しには次のいずれかの専用工具が必要です。



- DRIVER (H4M 6.0G), SPECIAL (Part No.: J-2507-713-1)
- BIT (H4, 6.0G), SPECIAL (Part No.: J-2507-712-1)

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B-1. Bottom

	Ref.No.	Part No.			Description
	503	X-4626-768-2			ASSY ESCUTCHEON L
	505	X-4626-767-2			ASSY HOUSING BOTTOM
	506	X-4626-769-2		&	ASSY LID DIMM
	507	2-024-006-01			BRACKET DC JACK
*	508	4-683-189-02			BRACKET HDD
*	509	4-683-190-01			BRACKET KENJINGTON
*	510	4-683-231-01			BRACKET OPT L
*	511	4-683-232-01			BRACKET OPT R
*	512	4-683-191-02			BRACKET PCCARD
*	513	4-683-192-01			BRACKET VGA
	514	1-829-199-11			CABLE, FLEXIBLE FLAT (18PIN)
	515	1-829-200-11			CABLE, FLEXIBLE FLAT (50PIN)
	517	A-1086-975-A	$		COMPLETE PWB CNX-251 (S)
	518	A-1086-976-A	$		COMPLETE PWB CNX-261 (S)
	519	1-818-398-11			CONNECTOR, FPC WITH PC CARD
	524	4-683-196-01			ESCUTCHEON R
	526	4-683-197-01		&	FOOT
	527	1-962-849-11			HARNESS (DC JACK WITH 2P)
	530	1-862-745-11			PWB, FLEXIBLE PRINT (HDD)
	531	4-683-188-01			RUBBER DOOR MODEM
	532	4-683-186-01			RUBBER DOOR USB
	533	2-023-589-01			SHEET BOTTOM
	534	2-023-591-01			SHEET HDD
	535	2-059-467-01			SHEET OPT
	537	4-659-711-12			SHEET (BOSS)
	539	1-694-760-21			JACK, SMALL TYPE
	540	1-694-760-41			JACK, SMALL TYPE
	542	4-659-711-02			SHEET (BOSS)
	B1	4-672-834-71		&	SCREW, +B EG GRIP
	B4	4-672-834-51			SCREW, +B EG GRIP
	B6	4-674-716-01			SCREW (NO.4-40) (UNC)
	B7	4-671-538-01			SCREW(M2X4), SPECIAL HEAD
	B8	4-672-839-01			HEAD, M3 FLAT
	B10	2-050-180-01			+SCREW,O2 +SPECIAL HEAD

	Ref.No.	Part No.			Description	J					AM								EU					AO											
						S71PB	S51B	S61PZ	S91PS*	S91S*	S260P	S260	S240P	S250FP	S250F	S270F	S270P*	S270B*	S270*	S2XP	S2VP	S2HP	S2XRP	S2HRP	S26GP	S26SP	S26LP	S26TP	S26GP	S26SP	S26LP	S26TP	S28CP	S27C	S26C	S25C
	501	X-2023-556-2			ASSY BEZEL OPT +-RW	●			●	●						●	●	●	●	●	●	●	●	●	●	●	●	●	●				●			
		X-2024-607-1			ASSY BEZEL OPT COMBO		●	●	●	●	●	●	●	●	●	●	●	●	●										●				●	●	●	●
	504	A-1086-982-A	$	#	HDD (40GB,HTS424040M9AT00) (S)		●	●	●	●			●	●	●	●	●	●	●			●		●				●	●	●	●		●	●	●	
		A-1065-502-A	$	#	ASSY HDD 60GB (-21) (I,40) (S)	●					●	●													●	●	●	●					●			
⚠ [MA]		A-1062-140-A	$	#	HDD (80GB,HTS548080M9AT00) (S)											●	●	●	●	●	●		●													
		A-1068-137-A	$	#	ASSY HDD 80GB (-21) (I,40) (S)				●	●						●	●	●	●																	
⚠ [MA]		A-1083-188-A	$	#	HDD (MHU2100AT-100GB) (S)											●	●	●	●																	
		A-1065-272-A	$	#	HDD (MK6025GAS-60GB) (S)				●	●						●	●	●	●																	
	516	1-795-822-21	$	#	COMBO DRIVE (UJDA765,9.5MM)		●	●	●	●	●	●	●	●	●	●	●	●	●									●	●							
⚠ [MA]		1-797-054-11	$	#	COMBO DRIVE (UJDA765,9.5MM)																								●	●			●	●	●	
		1-797-057-11	$	#	DVD+-RW(UJ-822,9.5MM)	●			●	●						●	●	●	●	●	●	●	●	●	●	●	●	●				●			
⚠ [MA]	538	A-1086-978-A	$		COMPLETE PWB IFX-331 (S)													●	●	●	●														
	B9	4-673-648-01		&	GRIP, M2 (+B) (EG)	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	B11	4-680-939-01		&	SCREW M2 GOKUHIRA MITSUMIZO								●																							
							⚠ [MA]						⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]

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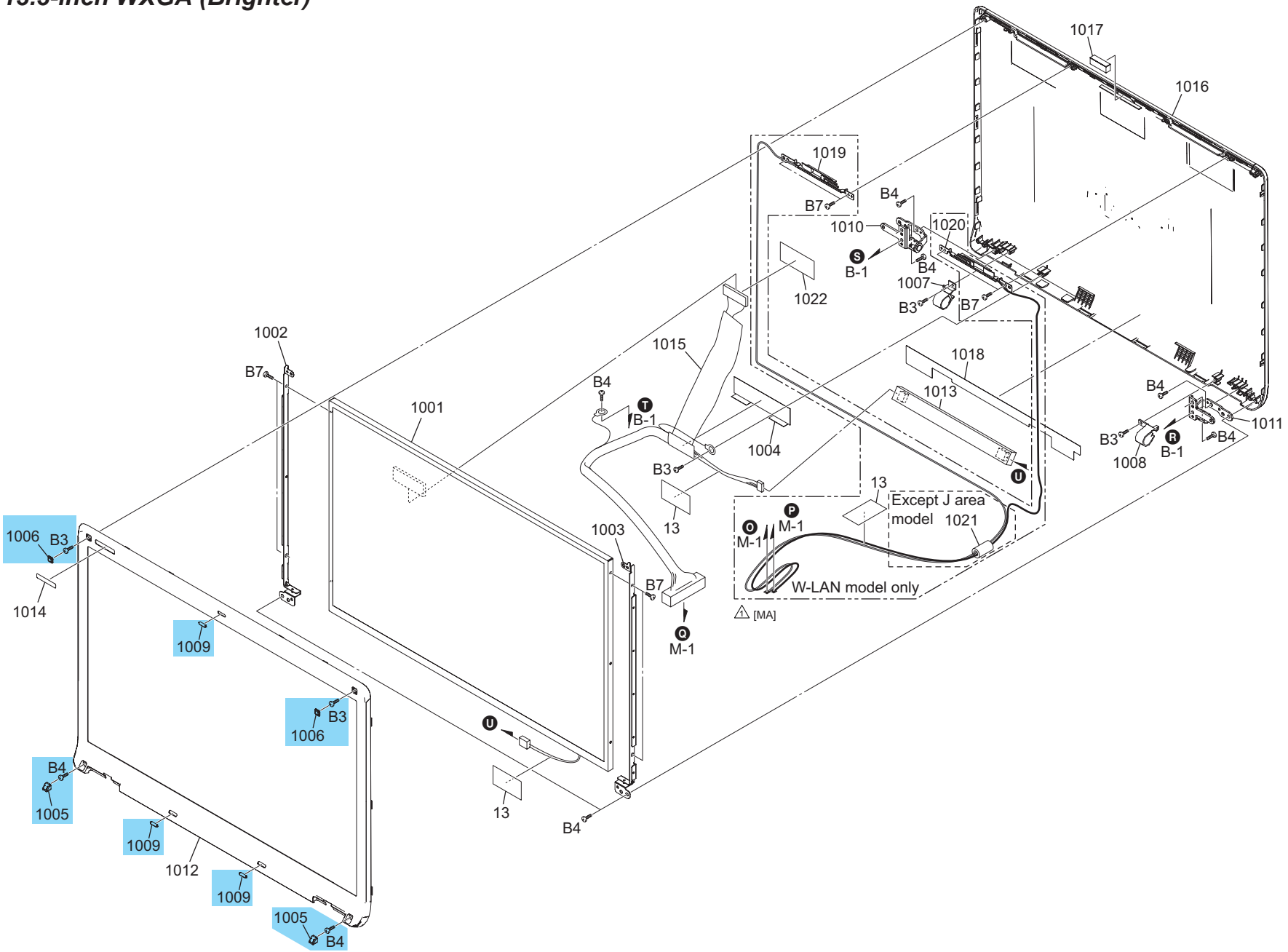
Confidential

L-1. LCD 13.3-inch WXGA (Brighter)



Confidential

L-1. LCD 13.3-inch WXGA (Brighter)

	Ref.No.	Part No.			Description
	13	4-662-881-02			CUSHION, KEY BOARD
	1001	A-1072-481-A	$	#	LCD UNIT(13.3 WXGA) (S)
*	1002	4-683-218-01			BRACKET LCD L
*	1003	4-683-219-01			BRACKET LCD R
	1004	4-673-031-01			COPPER TAPE(LCD)
	1005	4-683-220-01		&	COVER DISPLAY SCREW LO
	1006	4-683-221-01		&	COVER DISPLAY SCREW UP
	1007	4-683-222-01			COVER HINGE L
	1008	4-683-223-02			COVER HINGE R
	1009	4-683-224-01		&	CUSHION BEZEL
	1010	4-683-225-02			HINGE L
	1011	4-683-226-02			HINGE R
	1012	4-683-217-03			HOUSING BEZEL
	1015	1-962-761-11			LCD HARNESS
	1016	A-1072-525-A			ASSY DISPLAY(S)
	1017	2-024-668-01			MAGNET (LID)
	1018	2-067-394-01			SHEET CABLE WLL
	1019	1-754-331-22			ANTENNA (2.4/5GHZ FOR LEFT)
	1020	1-754-331-12			ANTENNA (2.4/5GHZ FOR RIGHT)
	1022	-			FILAMENT TAPE 12X30
	B3	4-672-836-01		<&>	SCREW, M2 SPECIAL HEAD,EG GRIP
	B4	4-672-834-51		<&>	SCREW, +B EG GRIP
	B7	4-671-538-01			SCREW(M2X4), SPECIAL HEAD

	Ref.No.	Part No.	Description	J				AM								EU				AO													
				S71PB	S51B	S91PS*	S91S*	S260P	S260	S250FP	S250F	S270F	S270P*	S270B*	S270*	S2XP	S2VP	S2HP	S2XRP	S2HRP	S28GP	S28SP	S28LP	S26TP	S26GP	S26SP	S26LP	S26TP	S26CP	S27C	S26C	S25C	
⚠ [MA]	1013	1-477-753-11	INVERTER UNIT																		●	●	●	●	●	●	●	●	●	●	●	●	
		1-478-283-21	INVERTER UNIT	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
	1014	2-320-000-01	LABEL ID (J)			●																											
		2-320-000-11	LABEL ID (J)				●																											
		2-320-000-21	LABEL ID (J)	●																													
		2-320-000-31	LABEL ID (J)		●																												
		2-320-001-01	LABEL ID (UD)					●																									
		2-320-001-11	LABEL ID (UD)						●																								
⚠ [MA]		2-320-002-01	LABEL ID (U)									●																					
⚠ [MA]		2-320-002-11	LABEL ID (U)											●																			
⚠ [MA]		2-320-002-21	LABEL ID (U)										●																				
⚠ [MA]		2-320-002-31	LABEL ID (U)								●																						
⚠ [MA]		2-320-002-41	LABEL ID (U)							●																							
⚠ [MA]		2-320-002-51	LABEL ID (U)									●																					
⚠ [MA]		2-320-003-01	LABEL ID (E)													●																	
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⚠ [MA]		2-320-003-21	LABEL ID (E)															●															
⚠ [MA]		2-320-003-31	LABEL ID (E)																●														
⚠ [MA]		2-320-003-41	LABEL ID (E)																	●													
⚠ [MA]		2-320-004-01	LABEL ID (C)																										●				
⚠ [MA]		2-320-004-11	LABEL ID (C)																											●			
⚠ [MA]		2-320-004-21	LABEL ID (C)																												●		
⚠ [MA]		2-320-004-31	LABEL ID (C)																													●	
⚠ [MA]		2-320-005-01	LABEL ID (I)																		●												
⚠ [MA]		2-320-005-11	LABEL ID (I)																						●								
⚠ [MA]		2-320-005-21	LABEL ID (I)																			●											
⚠ [MA]		2-320-005-31	LABEL ID (I)																								●						
⚠ [MA]		2-320-005-41	LABEL ID (I)																			●											
⚠ [MA]		2-320-005-51	LABEL ID (I)																									●					
⚠ [MA]		2-320-005-61	LABEL ID (I)																				●										
⚠ [MA]		2-320-005-71	LABEL ID (I)																										●				
	1021	1-400-255-11	FERRITE CORE					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
								⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]	⚠ [MA]

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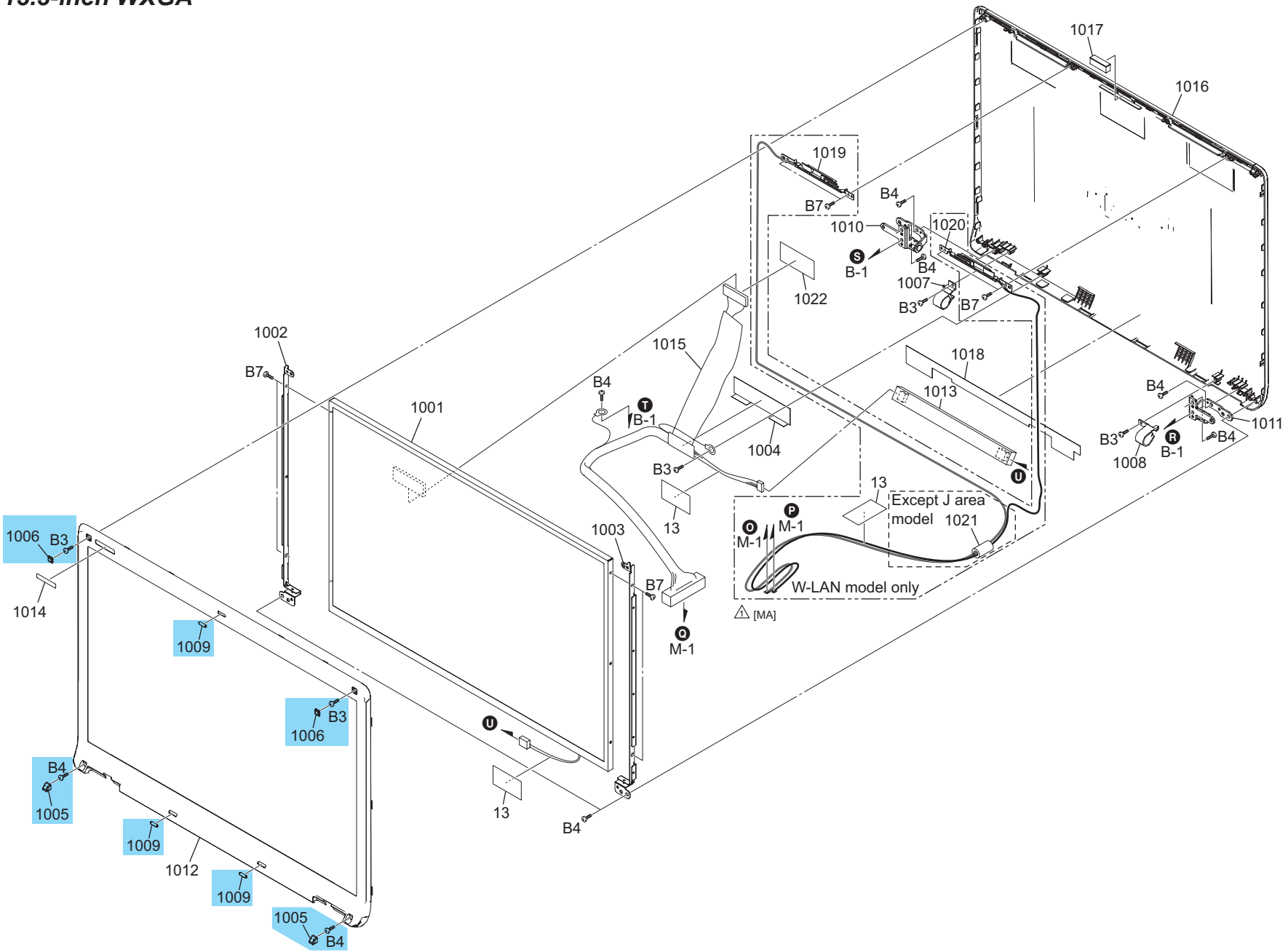
L-2. LCD 13.3-inch WXGA



Confidential

L-2. LCD 13.3-inch WXGA

	Ref.No.	Part No.			Description
	13	4-662-881-02			CUSHION, KEY BOARD
*	1002	4-683-218-01			BRACKET LCD L
*	1003	4-683-219-01			BRACKET LCD R
	1004	4-673-031-01			COPPER TAPE(LCD)
	1005	4-683-220-01		&	COVER DISPLAY SCREW LO
	1006	4-683-221-01		&	COVER DISPLAY SCREW UP
	1007	4-683-222-01			COVER HINGE L
	1008	4-683-223-02			COVER HINGE R
	1009	4-683-224-01		&	CUSHION BEZEL
	1010	4-683-225-02			HINGE L
	1011	4-683-226-02			HINGE R
	1012	4-683-217-03			HOUSING BEZEL
	1015	1-962-761-11			LCD HARNESS
	1016	A-1072-525-A			ASSY DISPLAY(S)
	1017	2-024-668-01			MAGNET (LID)
	1018	2-067-394-01			SHEET CABLE WLL
	1019	1-754-331-22			ANTENNA (2.4/5GHZ FOR LEFT)
	1020	1-754-331-12			ANTENNA (2.4/5GHZ FOR RIGHT)
	1022	-			FILAMENT TAPE 12X30
	1101	A-1072-480-A	$	#	LCD UNIT(13.3 WXGA) NML (S)
	B3	4-672-836-01		<&>	SCREW, M2 SPECIAL HEAD,EG GRIP
	B4	4-672-834-51		<&>	SCREW, +B EG GRIP
	B7	4-671-538-01			SCREW(M2X4), SPECIAL HEAD

	Ref.No.	Part No.	Description	J			AM			
				S61PZ	S91PS*	S91S*	S240P	S270P*	S270B*	S270*
	1013	1-478-283-21	INVERTER UNIT	●	●	●	●	●	●	●
	1014	2-320-000-01	LABEL ID (J)		●					
		2-320-000-11	LABEL ID (J)			●				
⚠[MA]		2-320-000-41	LABEL ID (J)	●						
		2-320-001-21	LABEL ID (UD)				●			
⚠[MA]		2-320-002-01	LABEL ID (U)					●		
⚠[MA]		2-320-002-11	LABEL ID (U)							●
⚠[MA]		2-320-002-21	LABEL ID (U)						●	
	1021	1-400-255-11	FERRITE CORE				●	●	●	●
				⚠[MA]				⚠[MA]	⚠[MA]	⚠[MA]

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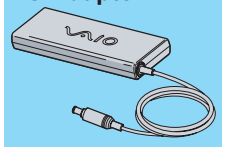
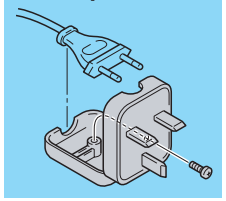
A-1. Accessories

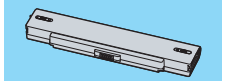
2001
AC Adaptor



[MA] 1 → 2002
Conversion Plug
3P Adaptor

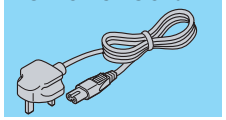


2003
Battery

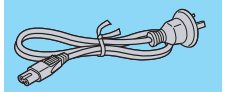


2004
L Battery

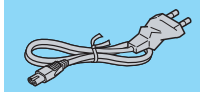
[MA] 2 → 2005
AC Power Cord



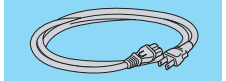
[MA] 2 → 2006
Power Cord



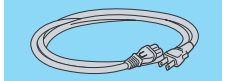
[MA] 1 → 2007
Power Cord



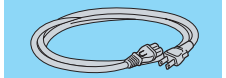
2008
Power Cord



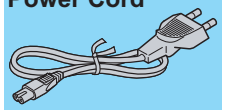
[MA] 3 → 2009
Power Cord



[MA] 2 → 2010
Power Cord



[MA] 2 → 2011
Power Cord



	Ref.No.	Part No.			Description	J S71PB	J S51B	J S61PZ	J S91PS*	J S91S*	AM S260P	AM S260	AM S240P	AM S250FP	AM S250F	AM S270F	AM S270P*	AM S270B*	AM S270*	EU S2XP	EU S2VP	EU S2HP	EU S2XRP	EU S2HRP	AO S26GP	AO S26SP	AO S26LP	AO S28TP	AO S26GP	AO S26SP	AO S26LP	AO S26TP	AO S28CP	AO S27C	AO S26C	AO S25C
	⚠ 2001	1-477-749-53	$	&	ADAPTOR, AC	●	●	●	●	●																								
	⚠	1-478-860-21	$	&	ADAPTOR,AC						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
[MA]	⚠ 2002	1-770-019-51		&	(UK)...ADAPTOR, CONVERSION PLUG															●	●	●														
	⚠ 2003	A-1072-505-A	$	&	BATTERY PACK BPS2 (J) (S)	●	●	●	●	●																										
	⚠	A-1072-506-A	$	&	BATTERY PACK BPS2 (U) (S)						●	●		●	●	●	●	●	●																		
[MA]	⚠	A-1072-507-A	$	&	BATTERY PACK BPS2 (E/I) (S)															●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	⚠ 2004	A-1072-508-A	$	&	BATTERY PACK BPL2 (J) (S)				●	●																										
	⚠	A-1072-509-A	$	&	BATTERY PACK BPL2 (U) (S)								●				●	●	●																	
[MA]	⚠ 2005	1-823-935-51		&	CORD, AC POWER																			●				●							
[MA]	⚠ 2006	1-555-074-32		&	CORD, POWER																			●				●							
[MA]	⚠ 2007	1-575-131-61		&	CORD, POWER															●	●	●	●	●		●			●						
	⚠ 2008	1-757-562-21		&	CORD, POWER						●	●	●	●	●	●	●	●	●								●			●					
[MA]	⚠ 2009	1-782-476-22		&	CORD, POWER																										●	●	●	●	●
	⚠ 2010	1-790-732-32		&	CORD, POWER	●	●	●	●	●																									
[MA]	⚠ 2011	1-823-947-32		&	POWER-SUPPLY CORD																				●			●							
[MA]	-	2-190-857-01			GETTING STARTED															●	●	●	●	●											
	-	2-318-161-01		&	Instruction Manual (XP Professional, XP Home Edition)	●	●		●	●																										
[MA]	-	2-318-165-01		&	Instruction Manual (XP Professional)			●																												
[MA]	-	1-816-429-12			(UK)...PHONE PLUG (GB)															●	●	●														
	-	2-320-816-01			QUICK START U						●	●	●																							
[MA]	-	2-320-817-01			QUICK START U												●	●	●																	
[MA]	-	2-320-818-01			QUICK START L									●	●	●																				
[MA]	-	2-190-856-01			(UK,Dutch,Swedish)...HW SPECS															●	●	●														
[MA]	-	2-190-856-11			(Germany)...HW SPECS															●	●	●														
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[MA]	-	2-190-856-71			(Russian)...HW SPECS																		●	●												
[MA]	-	2-320-668-11			SAFETY/REGULATIONS GUIDE																				●	●			●	●						
[MA]	-	2-320-668-21			SAFETY/REGULATIONS GUIDE																						●				●					
[MA]	-	2-320-668-41			SAFETY/REGULATIONS GUIDE																							●				●				
[MA]	-	2-320-674-31			SAFETY/REGULATIONS GUIDE																										●	●	●	●	●
[MA]	-	2-320-669-11			TROUBLESHOOTING GUIDE																				●	●			●	●						
[MA]	-	2-320-669-21			TROUBLESHOOTING GUIDE																						●				●					
[MA]	-	2-320-669-41			TROUBLESHOOTING GUIDE																							●				●				
[MA]	-	2-320-675-31			TROUBLESHOOTING GUIDE																										●	●	●	●	●
[MA]	-	2-320-670-11			SPEC SHEET																				●	●			●	●						
[MA]	-	2-320-670-21			SPEC SHEET																						●				●					
[MA]	-	2-320-670-41			SPEC SHEET																							●				●				
[MA]	-	2-320-671-31			SPEC SHEET																										●	●	●	●	●
								[MA]					[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]	[MA]

- This parts list contains two different types of parts.
  The first type is the parts that are common to all models.
  The other type is the parts that are different depending on each model.

- この部品表は，機種共通の部品と，機種によって使い分けが必要な部品に分かれています。

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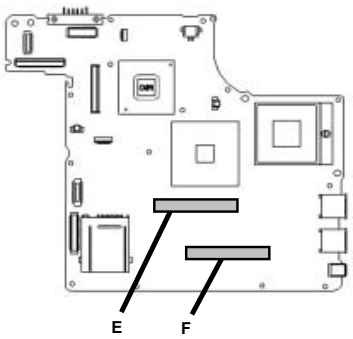
CHAPTER 5.
OTHER

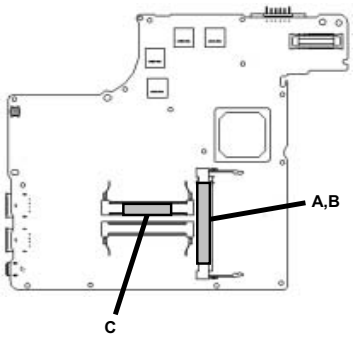
5-1. The Barcode Label

The hatched portion of the barcode is used as the repair data.
バーコードラベルの網掛け部は，修理データとして使用いたします。

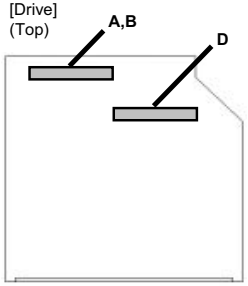
[MBX-109 Board]
(Side A)



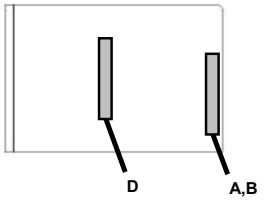
[MBX-109 Board]
(Side B)



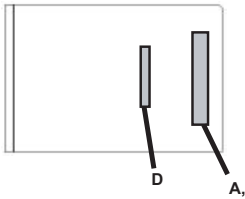
[Drive]
(Top)



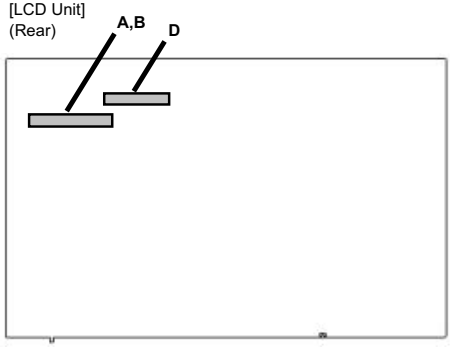
[HDD (TOSHIBA)]
(Top)



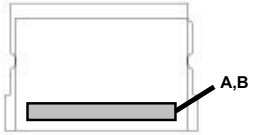
[HDD (FUJITSU)]
(Top)



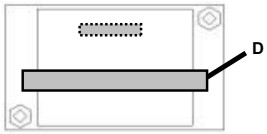
[LCD Unit]
(Rear)



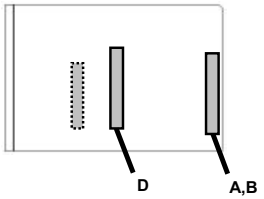
[MM-9 Board]
(Side A)



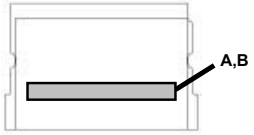
[MODEM Card]



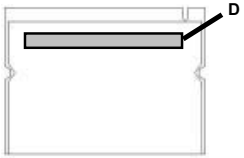
[HDD (HITACHI)]
(Top)



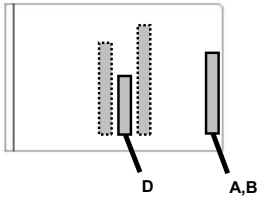
[MM-11 Board]
(Side A)



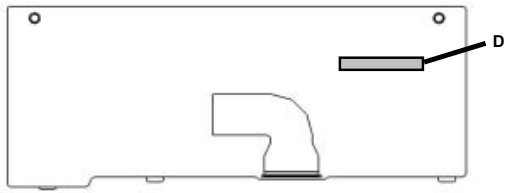
[W-LAN Card (intel)]



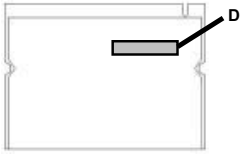
[HDD (HITACHI / IBM)]
(Top)



[Keyboard Unit]
(Rear)



[W-LAN Card (ambit)]



A : Part No.
B : Serial No.
C : Revision No.
D : Maker Barcode
E : Global User ID (iLink)
F : Mac Address

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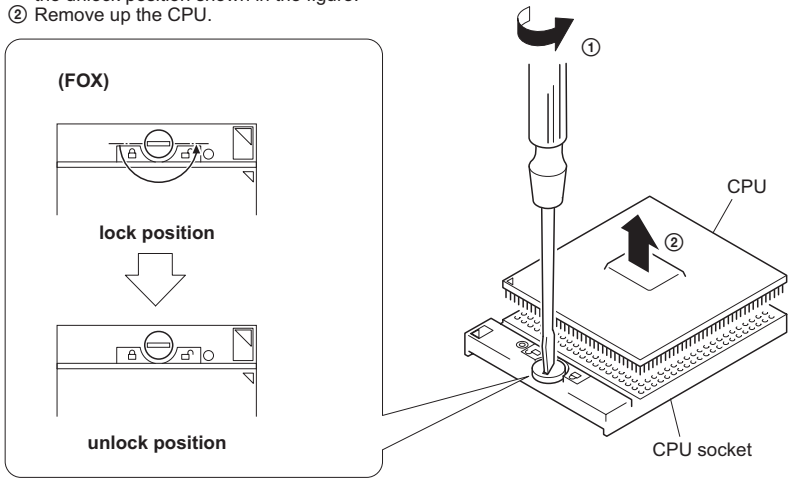
5-2. Replacing the CPU

Note: We have two kinds of CPU for this set, and either of them is used.
Two kinds of CPU have differences in the lock position and the unlock position.

1. Socket configuration 1

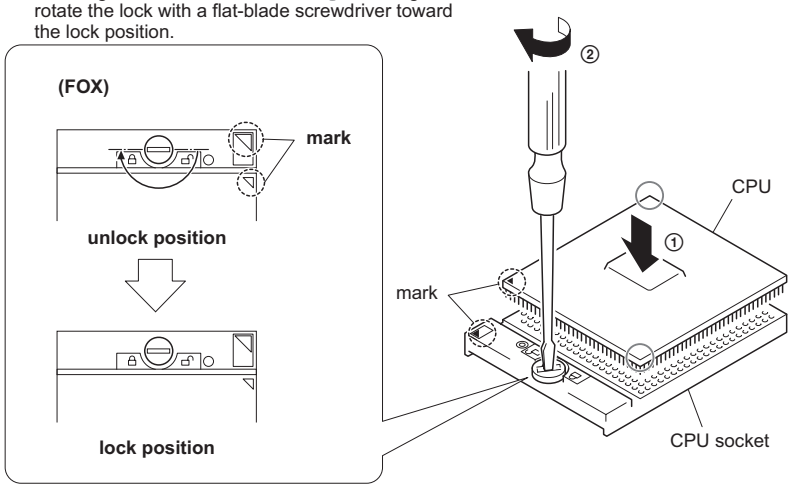
1. How to remove the CPU

① Rotate the lock with a flat-blade screwdriver toward the unlock position shown in the figure.
② Remove up the CPU.



2. How to install the CPU

① Position the mark on the CPU to the mark on the CPU socket and put in all pins to the holes on the CPU socket.
② Pressing two corners marked with ○ in the figure, rotate the lock with a flat-blade screwdriver toward the lock position.

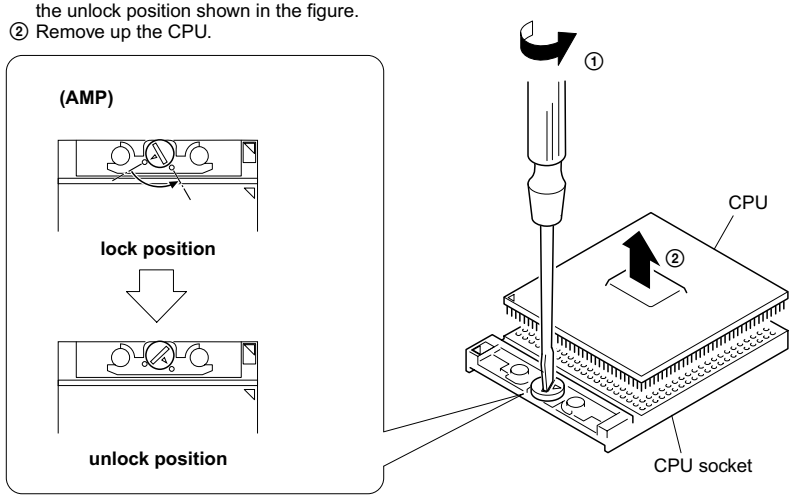


Note: Lock the CPU properly, or operation becomes unstable.

2. Socket configuration 2

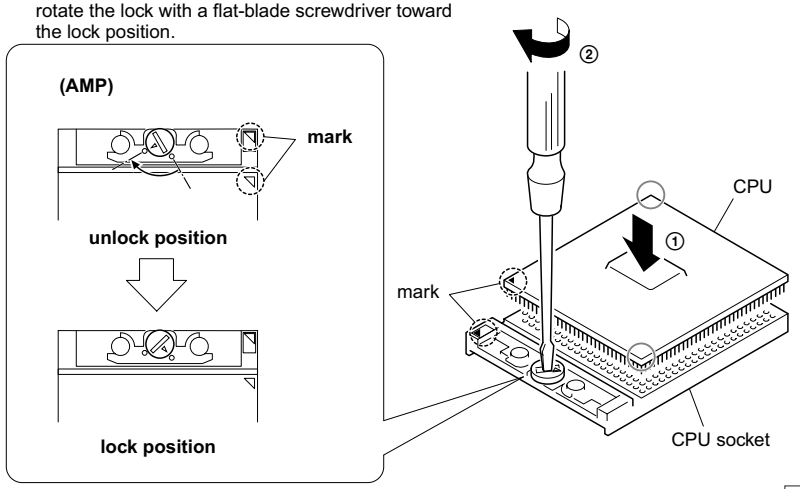
1. How to remove the CPU

① Rotate the lock with a flat-blade screwdriver toward the unlock position shown in the figure.
② Remove up the CPU.



2. How to install the CPU

① Position the mark on the CPU to the mark on the CPU socket and put in all pins to the holes on the CPU socket.
② Pressing two corners marked with ○ in the figure, rotate the lock with a flat-blade screwdriver toward the lock position.



Note: Lock the CPU properly, or operation becomes unstable.

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List of VGN-S Series (As of December, 2004)

Service Manual Part No.	Model Name			
	J	AM	EU	AO
9-876-391-XX	VGN-S51B	VGN-S240P	VGN-S2HP	VGN-S25C
	VGN-S61PZ	VGN-S250F	VGN-S2HRP ☜	VGN-S26C
	VGN-S71PB	VGN-S250FP	VGN-S2VP	VGN-S26GP
	VGN-S91PS*	VGN-S260	VGN-S2XP	VGN-S26LP
	VGN-S91S*	VGN-S260P	VGN-S2XRP ☜	VGN-S26SP
		VGN-S270*		VGN-S26TP ☜
		VGN-S270B*		VGN-S27C
		VGN-S270F		VGN-S28CP
		VGN-S270P*		VGN-S28GP
				VGN-S28LP
				VGN-S28SP
				VGN-S28TP

* : CTO Model
☜ : Additional Models

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-02	Ver. 2	2004.10.01	△1 Front Page, Page 1-1, Page 1-3 to 1-4, Page 4-1 to 4-5, Page 4-7 to 4-12, Back Cover	N2004_106AK
-03	Ver. 3	2004.10.18	△2 Front Page, Page 1-1 to 1-2, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9, Page 4-12, Back Cover	N2004_112AK
-04	Ver. 4	2004.11.08	△3 Front Page, Page 1-2, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9, Page 4-12, Back Cover	N2004_121AK
-05	Ver. 5	2004.12.13	△4 Front Page, Page 1-1 to 1-2, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9, Page 4-12, Back Cover	N2004_135AK
<Remarks>				